



Spectrum Policy Forum

22 Oct 2020



Transforming Mobile Coverage Countrywide

March 2018 - Ofcom consultation on coverage obligations

- Evolution of 800 MHz auction where one licence had premises coverage obligations

For 700 MHz, Ofcom proposed:

- One obligation on improved coverage of premises (and their immediate surrounds)
- Two coverage obligations focused on providing increased geographic coverage in rural areas – UK-wide and Nations



MNO dialogue and engagement with Ofcom and DCMS

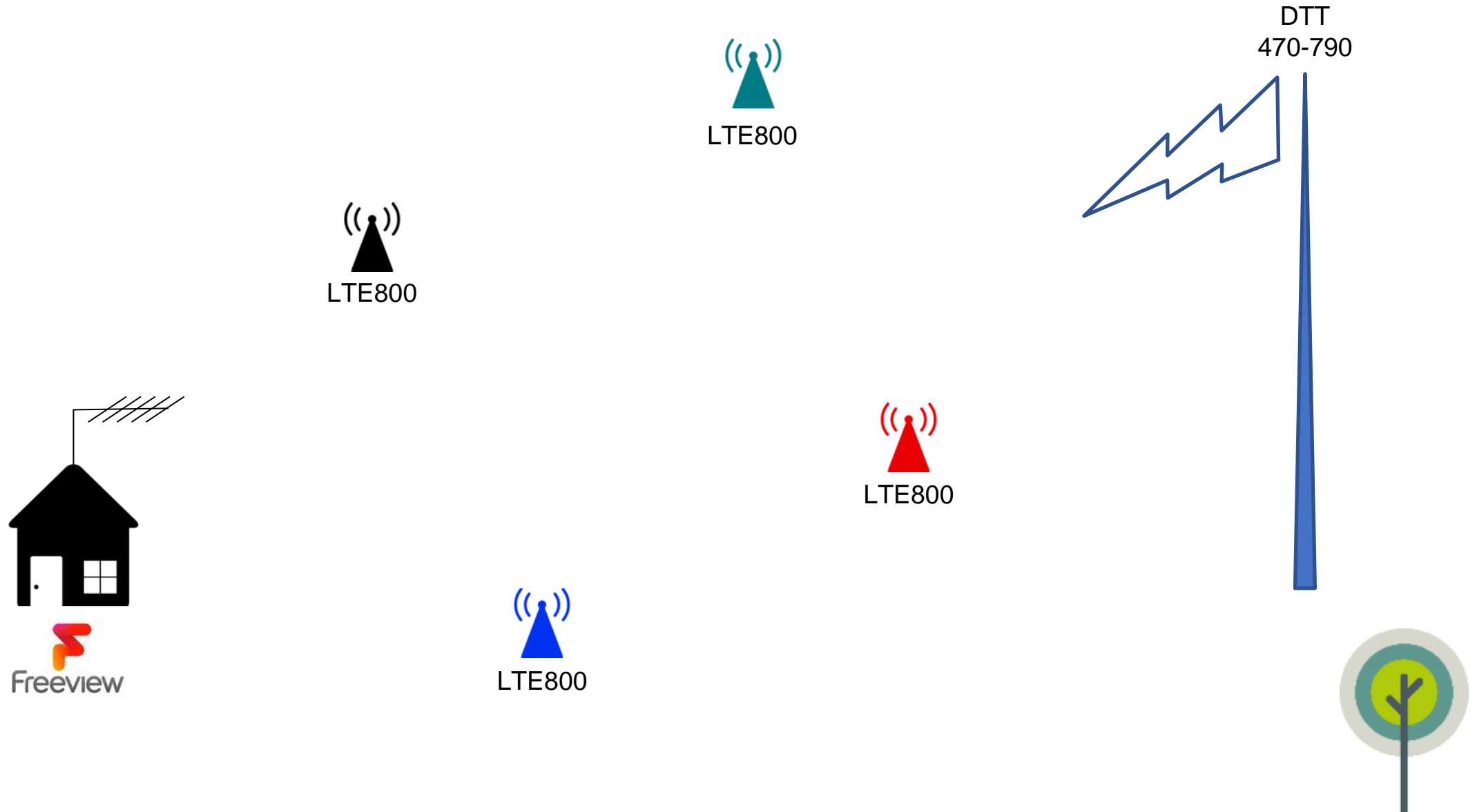


But:

- How do we get coverage where it's not commercially viable?
- How do we tackle the frustration of partial coverage?
- Can we achieve these aims with a better value outcome than 700 MHz coverage obligation proposal?



Model 800 MHz radio coverage for 4G-TV coexistence mitigation!





9 March 2020



Transforming mobile coverage countrywide



"Make poor and patchy rural phone coverage a thing of the past."

"...a huge boost for people across the country in rural areas and will deliver strong 4G coverage irrespective of what network provider people use."





PUBLIC WIRELESS NETWORK LICENCE

This Licence document replaces the version of the Licence issued by the Office of Communications (Ofcom) on 08 August 2019 to Telefónica UK Limited.

Licence no. **0249663**
Date of issue: **10 March 2020**
Fee payment date: **31 October** (annually)

- The Office of Communications (Ofcom) grants this wireless telegraphy licence ("the Licence") to
Telefónica UK Limited



PUBLIC WIRELESS NETWORK LICENCE

This Licence document replaces the version of the Licence issued by the Office of Communications (Ofcom), number 0249666 on 10 January 2017, to EE Limited.

Licence no. **0249666**
Date of issue: **10 March 2020**
Fee payment date: **31 October** (annually)

- Ofcom grants this licence to
EE Limited



PUBLIC WIRELESS NETWORK LICENCE

This Licence document replaces the version of the Licence issued by the Office of Communications (Ofcom) on 23 March 2015 to Hutchison 3G UK Limited.

Licence no. **0931984**
Date of issue: **10 March 2020**
Fee payment date: **31 October** (annually)

- Ofcom grants this licence to
Hutchison 3G UK Limited



PUBLIC WIRELESS NETWORK LICENCE

This Licence document replaces the version of the Licence issued by the Office of Communications (Ofcom) on 08 August 2019 to Vodafone Limited.

Licence no. **0249664**
Date of issue: **10 March 2020**
Fee payment date: **31 October** (annually)

- The Office of Communications (Ofcom) grants this wireless telegraphy licence ("the Licence") to
Vodafone Limited

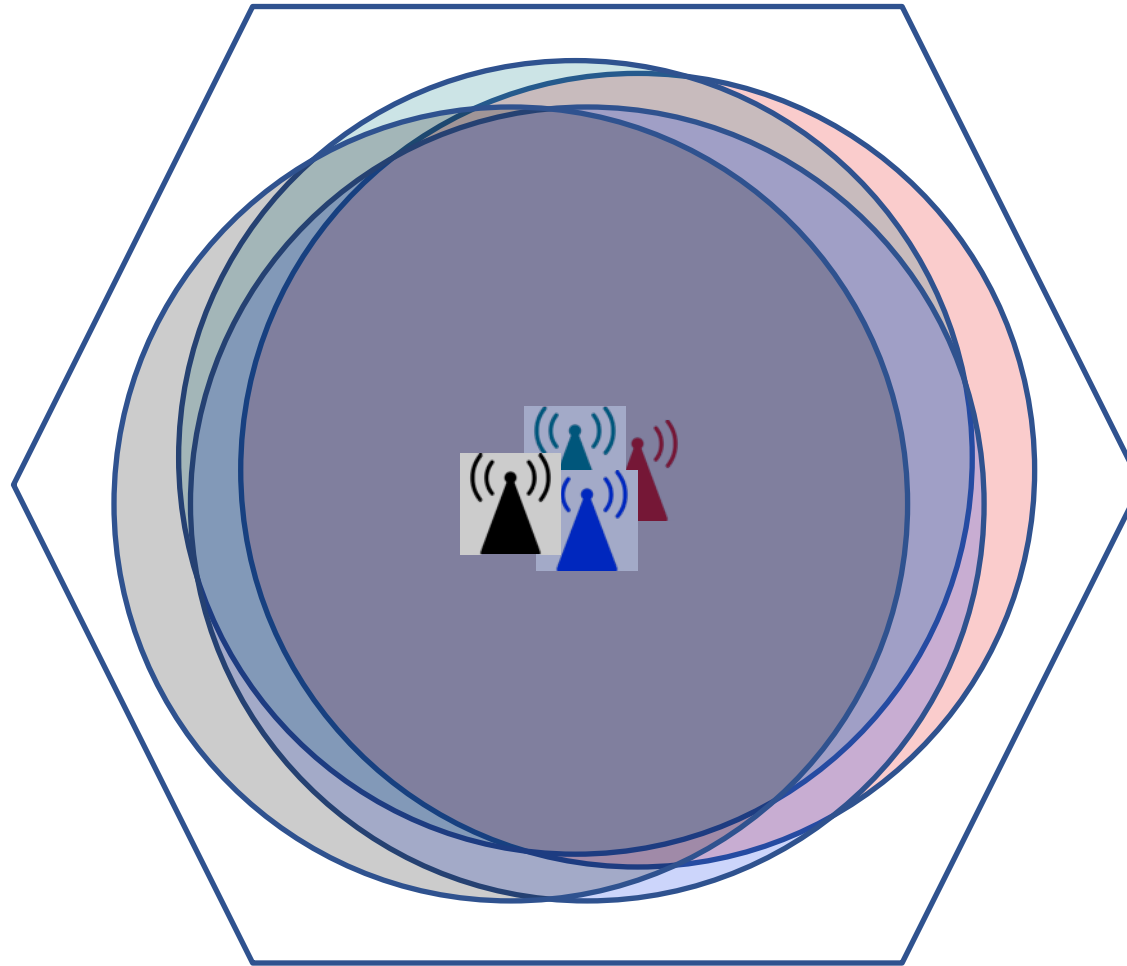
Objectives underpinned by licences

1	Each MNO to reach nation specific coverage & 88 per cent of UK by mid-2024
2	Each MNO to reach nation specific coverage & 90 per cent of UK within 6 years of state aid
3	Collectively provide additional coverage to 280,000 premises and 16,000km of roads within 6 years of state aid

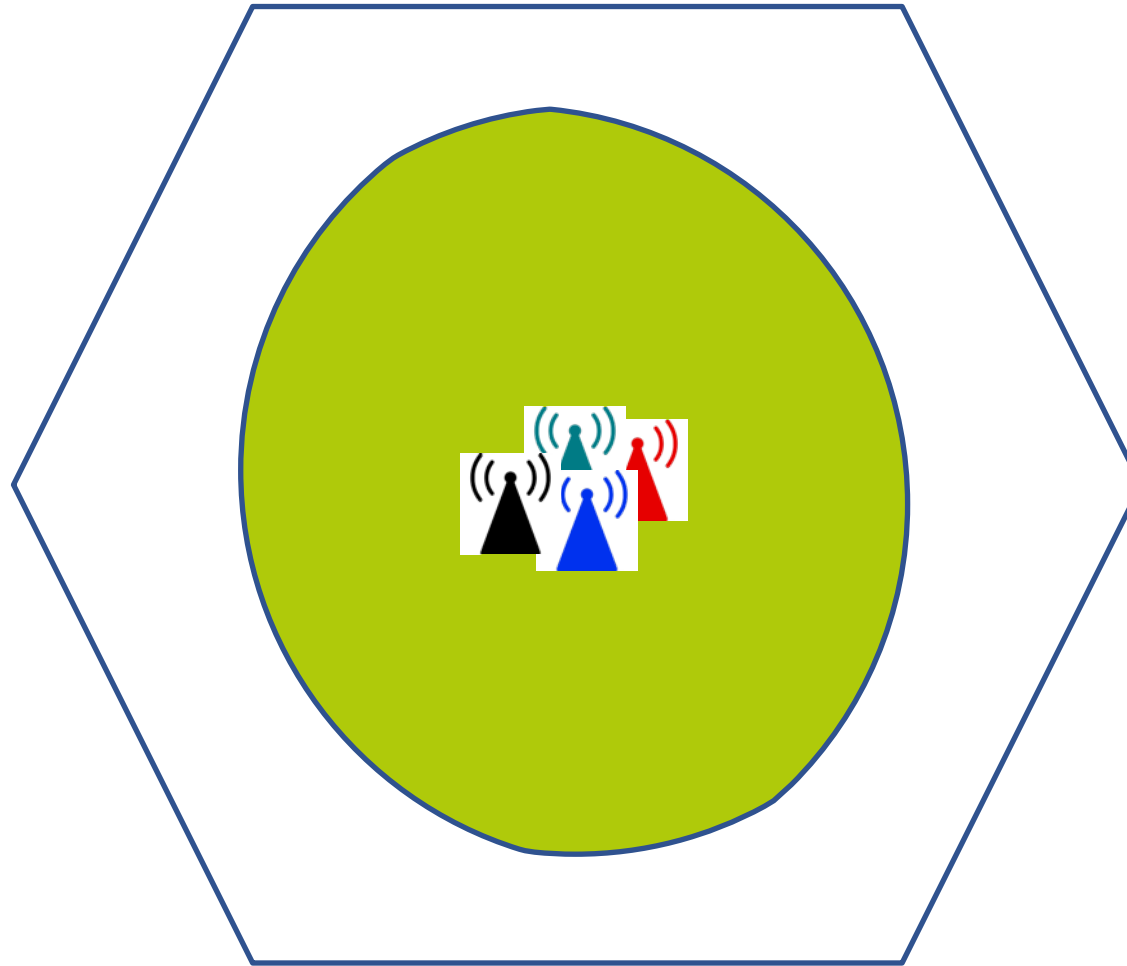
Combined effect is an expectation of 95 per cent UK landmass coverage by end 2025



2020 Baseline Coverage of each MNO

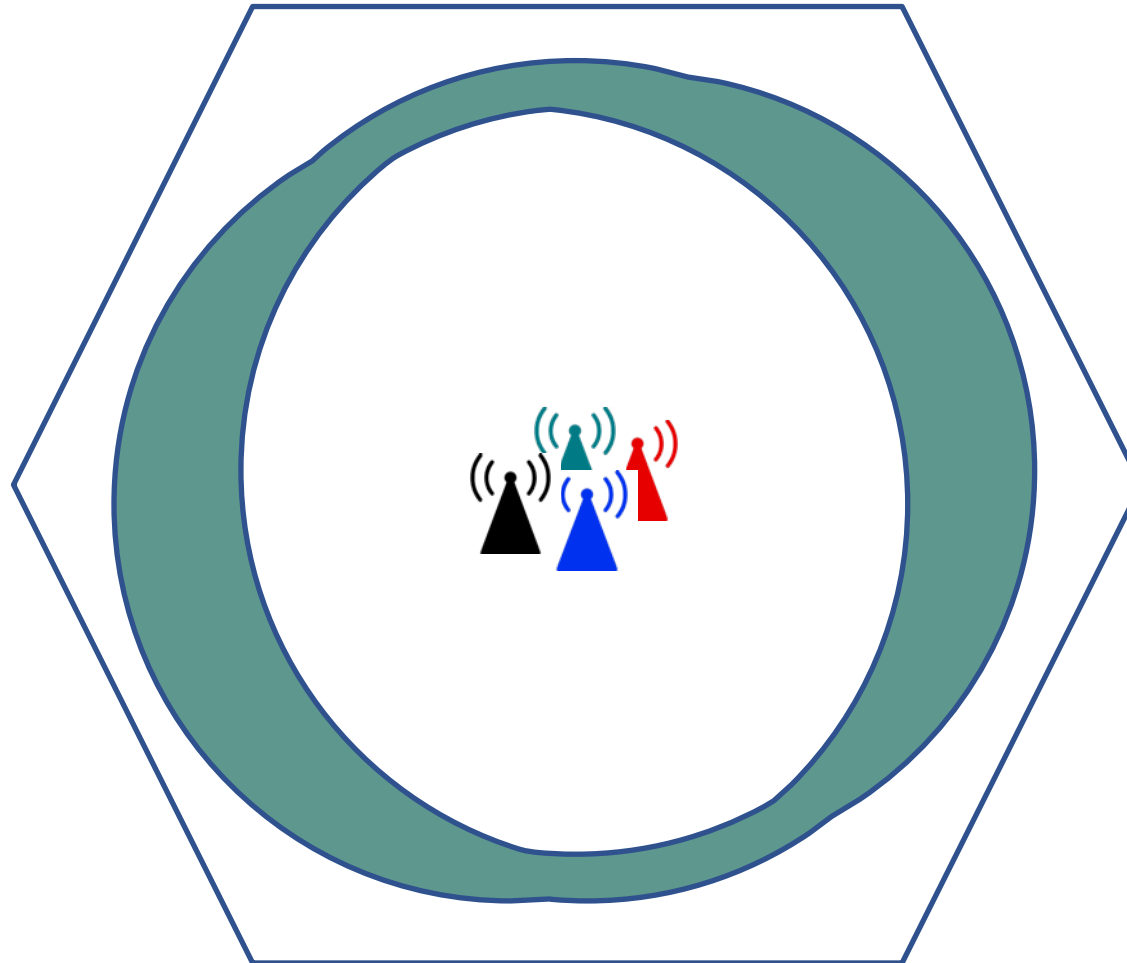


Common area covered by all operators



Partial Not Spots (PNS) - funded by MNOs

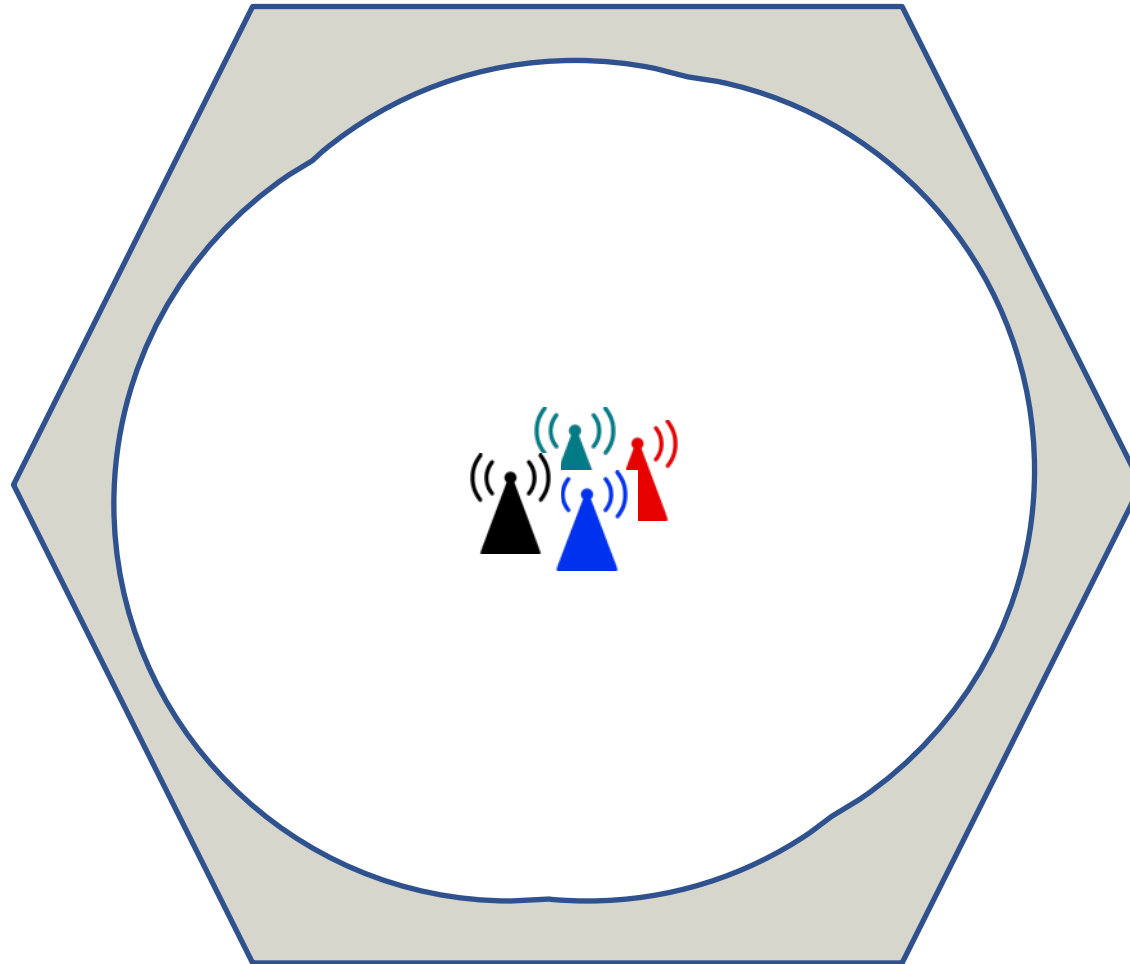
Improving
coverage in areas
where not all
MNOs have 4G
coverage: MNO
funded



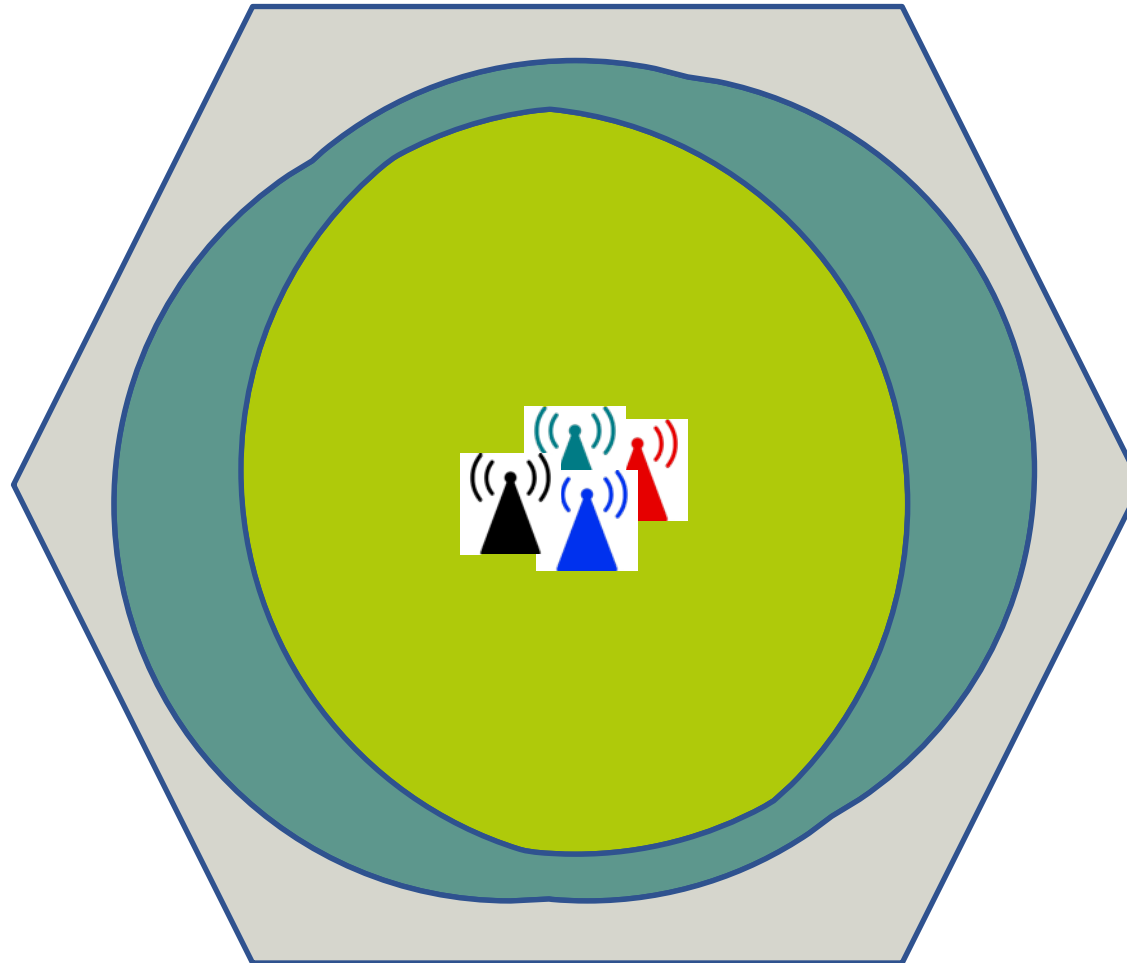
Total Not Spots (TNS) & ESN Extended Area Service (EAS)

TNS: focused on remote areas where no operator has coverage and where MNOs will share sites: grant funded

EAS: Home Office sites upgraded to enable all MNOs to provide 4G coverage: intra-government and grant funded



Approx. £1 billion investment in total



First PNS sites already activated

One MNO has already activated two new sites as parts of its PNS efforts: one in Wales and one in the Peak District

31 July 2020 initial radio plans submitted

MNOs submitted their initial radio plans to Ofcom. These will be subject to change as more work is undertaken to assess feasibility of sites

Public funding and market engagement

For publicly funded elements, engagement with supplier ecosystem through an open process in line with public contract regulations now open



A photograph of a man and a woman standing in a lush green field. The woman, on the left, is holding a tablet and looking at it. The man, on the right, is wearing glasses and a dark jacket, and is holding a small plant stem. They appear to be engaged in a collaborative activity, possibly a field study or agricultural inspection. The background shows rolling hills and a clear blue sky.

1. A cooperative and coordinated approach with all stakeholders

srn.org.uk



A woman is walking through a forest with tall trees and green foliage. She is looking down at a smartphone in her hand. The scene is misty or foggy, creating a soft, atmospheric background.

2. Balance the impact on the natural environment with the need to maximise public benefit

srn.org.uk





3. Proactively consider alignment with wider digital infrastructure initiatives that benefit the public

srn.org.uk



A person's hands are holding a smartphone, with the screen reflecting the ambient light. The background is a blurred landscape of green fields under a warm, golden sunset sky. A semi-transparent teal box with rounded corners is overlaid on the lower half of the image, containing the text.

4. Adopt principles and practices consistent with value for money

[srn.org.uk/
procurement](https://srn.org.uk/procurement)





5. Excellence in governance and programme delivery

srn.org.uk



srn.org.uk

contact: info@srn.org.uk

